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<!--StartFragment-->RESULT 1
ABP54342
ID   ABP54342 standard; protein; 406 AA.
XX
AC   ABP54342;
XX
DT   16-JAN-2003 (first entry)
XX
DE   Human daughter of legless (Doll) hDoll-2 protein SEQ ID NO:8.
XX
KW   Daughter of legless; Doll; wingless signalling pathway; cytostatic;
KW   gene therapy; cancer; tumour; neoplastic.
XX
OS   Homo sapiens.
XX
PN   WO200277023-A2.
XX
PD   03-OCT-2002.
XX
PF   01-FEB-2002; 2002WO-CH000063.
XX
PR   23-MAR-2001; 2001US-0277976P.
XX
PA   (UYZU-) UNIV ZUERICH.
XX
PI   Kramps T, Basler K;
XX
DR   WPI; 2003-018884/01.
DR   N-PSDB; ABQ83202.
XX
PT   Nucleic acid sequences of the Drosophila melanogaster Daughter of Legless
PT   gene and its encoded polypeptide, useful for developing therapeutic or
PT   diagnostic compound for treating or diagnosing e.g. tumors or cancerous
PT   conditions.
XX
PS   Claim 19; Fig 2; 68pp; English.
XX
CC   The present invention describes a nucleic acid sequence and its encoded
CC   polypeptide, which are part of at least one signalling pathway in insects
CC   and vertebrates. The nucleic acid sequence is the daughter of legless
CC   (doll) gene, as well as its homologues, fragments, derivatives, or
CC   functional or structural analogues. The polypeptide is the daughter of
CC   legless (DOLL) protein, as well as its homologues, fragments,
CC   derivatives, or functional or structural analogues. Doll sequences have
CC   cytostatic activity, and can be used in gene therapy. The doll nucleic
CC   acid, DOLL protein, or their homologues, derivatives or fragments can be
CC   used for developing a therapeutic and diagnostic compound (e.g.
CC   antibodies or its fragments, doll antisense DNA or RNA, doll double-
CC   stranded RNA, or chemical or naturally occurring compounds interfering
CC   with doll function) for the treatment or diagnosis of disorders of cell
CC   fate, differentiation or proliferation. Fragments of the doll DNA
CC   sequences is useful as a hybridisation probe. The disorders which can be
CC   treated using doll sequences includes human tumours, (pre-)neoplastic,
CC   (non-)malignant or cancerous conditions. The present sequence represents
CC   human Doll-2 (hDoll-2) from the present invention
XX
SQ   Sequence 406 AA;

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Query Match          100.0%;  Score 2267;  DB 6;  Length 406;
Best Local Similarity 100.0%;  Pred. No. 1e-144;
Matches 406;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

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Qy      1 MAASAPPPDPKLEGGGGPAPPAPSTGRKQGKAGLQMKSPKKRRKSNTQGPAYSHLTE 60
        |||
Db      1 MAASAPPPDPKLEGGGGPAPPAPSTGRKQGKAGLQMKSPKKRRKSNTQGPAYSHLTE 60

Qy     61 FAPPPTPMVDHLVASNPFEDDFGAPKVGVAAPPFLGSPVPFGGFRVQGGMAGQVPPGYST 120
        |||
Db     61 FAPPPTPMVDHLVASNPFEDDFGAPKVGVAAPPFLGSPVPFGGFRVQGGMAGQVPPGYST 120

Qy    121 GGGGGPQPLRRQPPFPNPMGPAFNMPPQGGPYPPPGNMNFPSPQFNQPLGQNFSPPSG 180
        |||
Db    121 GGGGGPQPLRRQPPFPNPMGPAFNMPPQGGPYPPPGNMNFPSPQFNQPLGQNFSPPSG 180

Qy    181 QMMPGVGGFGPMISPTMGQPPRAELGPPSLSQRFAPGAPFGPSPLQRPQGLPSLPPN 240
        |||
Db    181 QMMPGVGGFGPMISPTMGQPPRAELGPPSLSQRFAPGAPFGPSPLQRPQGLPSLPPN 240

Qy    241 TSPFPGPDGPGFPGPGGEDGKPLNPPASTAFPQEPHSGSPAAVNGNQPSFPPNSSGRGG 300
        |||
Db    241 TSPFPGPDGPGFPGPGGEDGKPLNPPASTAFPQEPHSGSPAAVNGNQPSFPPNSSGRGG 300

Qy    301 GTPDANSLAPPGKAGGSGPQPPGLVYPCGACRSEVNDDQDAILCEASCQKWFHRECTG 360
        |||
Db    301 GTPDANSLAPPGKAGGSGPQPPGLVYPCGACRSEVNDDQDAILCEASCQKWFHRECTG 360

Qy    361 MTESAYGLLTTEASAVWACDLCLKTKEIQSVYIREGMGQLVAANDG 406
        |||
Db    361 MTESAYGLLTTEASAVWACDLCLKTKEIQSVYIREGMGQLVAANDG 406
<!-- EndFragment -->

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